

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A method of ~~treating pancreatitis~~ reducing or inhibiting the level of enzymatic activity or enzymatic secretion in pancreatic cells in a mammalian subject ~~afflicted with pancreatitis~~ comprising

administering to said subject an effective amount of an amylin or an amylin analog, wherein the amylin analog has amylin agonist activity,

wherein ~~said treating comprises reducing or inhibiting~~ the level of inflammation, enzymatic activity or enzymatic secretion in pancreatic cells of said subject is reduced or inhibited.

2-5. (Canceled)

6. (Original) The method of claim 1 wherein said subject is a human.

7-8. (Canceled)

9. (Original) The method of claim 1 wherein said amylin analog is  
<sup>25,28,29</sup>Pro-h-amylin.

10-26. (Canceled)

27. (Previously presented) The method of claim 1 wherein 0.1 µg to 1 mg of said amylin or said amylin analog is administered to said mammalian subject in a single, divided, or continuous dose.

28. (Canceled)

29. (Previously presented) The method of claim 1 wherein about 2 µg to about 8 mg per day of said amylin or said amylin analog is administered to said mammalian subject.

30. (Canceled)

31. (Previously presented) The method of claim 1 wherein the amylin or amylin analog is amylin.

32. (Canceled)

33. (New) The method of claim 1 wherein the subject is afflicted with pancreatitis.

34. (New) The method of claim 33 wherein the pancreatitis is acute pancreatitis.

35. (New) The method of claim 33 wherein the pancreatitis is chronic pancreatitis.

36. (New) The method of claim 34 further comprising administering to the subject an agent or regimen used to treat acute pancreatitis.

37. (New) The method of claim 36 wherein the agent is clinically used to treat pancreatitis.

38. (New) The method of claim 36 wherein the agent is a pancreatic enzyme.

39. (New) The method of claim 36 wherein the regime includes a low-fat diet.

40. (New) The method of claim 36 further comprising administering to said subject an analgesic.